

Integration of ICT To Improve Student Learning Achievement in Islamic Education

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Abstract:

ICT Integration in Islamic Education: Solutions to improve student achievement in Islamic education In the digital era, the importance of using information and communication technology (ICT) in the digital era through Islamic education cannot be denied. The advantages of using such technology are not only that it provides a lot of up-to-date information gathering but more importantly it also makes it easier to access, faster and flexible. The method I took in this research is a literature study with a qualitative approach where the purpose of this research is to find out more about the use of information and communication technology (ICT), especially in the field of Islamic education to improve student achievement. Because many education throughout Indonesia prioritize Islamic education. In today's digital era, information and communication technology (ICT) plays an important role in developing Islamic education. In addition, it has made many changes to Islamic education, especially in improving student achievement. This paper traces the roots of information and communication technology (ICT) processes in Islam to improve student achievement in the digital age. The result of this study is that information and communication technology (ICT) will provide more opportunities for optimal learning facilities that are still developing faster than expected. The challenge ahead as educators, namely the integration of information and communication technology (ICT) in Islamic education to improve student achievement, is not something that should

be avoided, but alternative learning approaches that are a necessity in improving student achievement in Islamic education.

Keywords: Islamic Education, Learning Achievement, Digital Era, Information and Communication Technology (ICT)

Introduction

In the era of globalization and advances in information technology, the integration of Information and Communication Technology (ICT) has become one of the important aspects in developing education. The focus on the integration of ICT in improving student achievement, especially in the context of Islamic Religious Education, has a significant impact on student understanding, engagement, and achievement. Islamic religious education is not only a cultural heritage and belief, but must also embrace technological advances to remain relevant and effective. In this context, integrating ICT can open new doors of opportunities in delivering teaching materials, stimulate student interest, and increase learning achievement. The integration of Information and Communication Technology (ICT) within the educational environment has become an important strategy to enhance the learning experience across multiple disciplines. In the field of Islamic education, where the preservation and dissemination of knowledge is paramount, the application of information and communication technology (ICT) has enormous potential to revolutionize traditional teaching methods (Utami, Aminatun, and Fatriana

2020). This study explores the profound impact of ICT integration to improve student achievement in Islamic education, given the rapidly evolving digital era and its implications for educational practice (Mutia, Gimin, and Mahdum 2020). The integration of information and communication technology (ICT) presents an exciting opportunity to improve the effectiveness of Islamic education, despite its potential benefits, the extent to which information and communication technology (ICT) has been integrated into Islamic education and its direct impact on student achievement. This study aims to address this gap by investigating the status of information and communication technology (ICT) integration in Islamic education to improve student achievement (Nahar 2022). The main objectives of the study are as follows: To assess the current level of integration of information and communication technology (ICT) in Islamic education. To analyze the impact of the integration of information and communication technology (ICT) on student achievement in Islamic education (Simamora and Saragih 2019). To identify challenges and opportunities associated with the integration of information and communication technology (ICT) in the context of Islamic education. This research has significance in several aspects: First, it contributes to existing knowledge by providing insight into the integration of ICT in Islamic education (Firman et al. 2020). Second, it highlights the potential for increased student achievement that can be realized through effective ICT integration. In addition, the findings of this study can provide information to educators, policy makers, and curriculum developers about the optimal use of ICT devices in the Islamic education environment. The use of information and communication technology (ICT) can help teachers vary the use of learning methods, so as to increase interest in learning. Increased interest in learning is also followed by an increase in learning activities, both in quantity and quality. For example, exploring all available information within the scope of information and communication technology (ICT) so that mastery of learning materials is increasing, so as to help achieve learning objectives, namely to produce student learning achievement in Islamic education (Tokan and Imakulata 2019). The internet as a universal network with its various applications allows it to be utilized in the implementation of information and communication technology-based education (ICT). Thus, there will be opportunities for educational institutions to expand learning opportunities for anyone who meets academic requirements. The integration of information and communication technology (ICT) in education can facilitate the learning process that will lead to the achievement of maximum and perfect results, namely the creation of student learning achievements in Islamic education, then the integration of information and communication technology (ICT) in Islamic education needs to be integrated. This research focuses on secondary education institutions. This study includes an exploration of the use of information and communication technology (ICT) tools to improve student achievement in Islamic education, pedagogical approaches, and their influence on student learning outcomes in the context of Islamic education. In the future, information and communication technology (ICT) in Islamic education is not something that should be avoided, but an alternative learning approach that is a necessity in improving student achievement in Islamic education (Mandasari 2020).

Research Method

This research uses literature study research which is very helpful in understanding the broad context of the research topic. By reading and analyzing the existing literature, the study can be placed within a broader framework. Through literature study, it can identify gaps in existing knowledge. This helps determine where the research contributes, can provide new insights or solutions. Analysis

of literature studies helps build a conceptual framework for research. Because it provides a strong theoretical foundation and provides direction for design. Literature studies help in determining research variables. By looking at how previous studies measured and defined certain variables, you can make better decisions for your research. Analysis of literature studies helps in the formation of research hypotheses. You can also look at how these variables are interconnected in previous studies and formulate reasonable predictions for new ones. A literature study of research methods that best suit the purpose of this study (Rambe and Aisyah 2023). By looking at the methods used in previous studies, you can make informed decisions. Literature studies provide the theoretical context necessary for research. Through literature analysis, you can develop logical arguments to support your methodology and research findings. Literature studies help demonstrate the significance of research by placing it in a broader academic and practical context. By using the literature study methodology, this research will have a strong basis and be well informed by the knowledge that already exists in the scientific literature (Huang, Silitonga, and Wu 2022).

Result and Discussion

Information Technology covers all aspects of processes, such as use as tools, manipulation, and data processing. Processing data includes various processes, such as obtaining, processing, compiling, storing, and transforming data, to produce quality information, namely relevant, accurate, and appropriate information, as well as strategic information for decision making. Communication Technology covers everything about tools and data transfer from one device to another. As a result, students can know that information technology and communication technology are two components that are interconnected and inseparable. ICT includes all activities related to processing, manipulating, managing, and transferring information, because information and communication technology (ICT) has a very broad understanding. Therefore, information and communication technology (ICT) is generally regarded as a sign of a country's progress and spurs changes in life influenced by electronics and the internet (Chetty et al. 2019).

The use of technology in Islamic education, information and communication technology (ICT) plays an important role in supporting learning. In this increasingly advanced digital era, information and communication technology (ICT) can be an important means to develop Islamic education to achieve the goal of improving student achievement. In this article, we will discuss the use of ICT in Islamic education, its benefits, and how its use can help improve the quality of Islamic education (Nahar 2022). The use of information and communication technology (ICT) in Islamic education can help expand the reach of education. One form of its use is to use the internet as a source of information. Teachers and students can search for information on a particular topic through the internet. The Internet can also be used as a means of distance learning. In distance learning, students can access learning materials via the internet, and can communicate with teachers via the internet. This is very helpful for students to learn more broadly. Then the use of ICT in Islamic education can help improve students' skills in using the internet and help students access teaching materials easily and more widely. There are also many Islamic education applications that contain learning materials, practice questions, and learning videos. Some Islamic education applications also provide interactive features that can help students understand the subject matter better (Timotheou et al. 2023).

Benefits of Information and Communication Technology to improve student achievement in Islamic Education, Currently, communication and information technology is developing rapidly.

Technology is very helpful in the world of education, especially in Islamic education. Educational technology includes tools and techniques to improve teaching and learning as well as the development, evaluation, and application of systems. In Islamic educational institutions, the integration of information and communication technology can help and improve the quality of education such as improving student achievement. The integration of these technologies causes digital literacy to be faster in access. The use of Information and Communication Technology (ICT) in Islamic Education provides a number of significant benefits to improve student achievement. Students can access Islamic learning materials, literature, and resources from various places through e-learning platforms and digital materials. This allows them to study independently and adjust the tempo of each other's learning. Students can also use interactive Islamic education applications that can make learning more interesting. These applications can be designed to facilitate a more thorough and interactive understanding of religious concepts. Using a blended learning approach allows a combination of face-to-face and online learning. Students can learn directly in class and continue learning online, providing flexibility and increasing the use of technology in learning. Students can collaborate on projects and group discussions through online collaborative platforms. This helps increase student engagement and their ability to communicate effectively. Teachers can also use the LMS to monitor student learning progress, provide feedback, and adjust learning strategies to individual needs. It supports the improvement of student achievement through a more personalized approach. Improving teachers' skills in using ICT can improve the quality of teaching. Intensive training on technology integration helps teachers deliver material in a more innovative and effective way. From here Students can easily access databases and online reference sources for their research. It helps in the development of information literacy skills and enriches their understanding of Islamic concepts. Students not only learn religious materials, but also develop technology skills and digital literacy. This is very important in preparing them to face the challenges of the digital age. Teachers can use ICT-based assessment systems, such as online exams or multimedia-based projects, to measure student understanding holistically and encourage creativity. With online learning materials, students can continue to learn outside of class hours. This helps create a culture of continuous learning. The application of ICT in Islamic education is not only about improving academic achievement, but also involves character development, digital literacy, and preparing students to face the demands of a changing world, when students learn more widely using the internet, students will have maximum understanding results, and when doing exams can be done easily and get good grades (Agustin, Wahyudin, and Isnaini 2021).

Examples of Technology Utilization in PAI Electronic communication has become one of the latest strategies to support the learning process. The most important aspect of the learning process is the ability of students and teachers to communicate indefinitely. The learning process conventionally uses the activities in class once the activity is complete, then the interaction is also over. Therefore, communication in conventional classrooms is static. The world of information technology now provides many choices to everyone. Islamic Religious Education (GPAI) teachers are no exception. For example, e-education / internet-based learning, the use of telematics, elearning, blogs, multimedia resources centers, learning technology through comics, and video conferences. There are several examples of the use of technology that can be utilized in PAI learning, namely, the first is Visual-Based Information Technology, The use of powerpoint programs in the PAI learning process in the classroom. Through the program, the teacher only needs to write the important points of the material

to be delivered. There is a new scene in the visual base of students. So that it can overcome boredom in learning. To make it more interesting, teachers can also use macromedia flash programs. Not only can writing be conveyed to students, but it can also display sound or video related to the material. For example, in learning materials about Faith in the Last Day, through this program students not only gain knowledge of the material, but also can be shown illustrations about the end of sughra and kubra. The second is Audio-Based Information Technology where the use of information technology related to student hearing, the use of streaming audio, which can improve the ability of students with a hearing base. The third is Visual-Audio-Based Information Technology Use CAI (Computer Assisted Instruction), compact disk (CD) multimedia interactive learning. By using films, students will gain knowledge from an audio and visual base. Through the program, the teacher only needs to write the important points of the material to be delivered. There is a new scene in the visual base of students. So that it can overcome boredom in learning. To make it more interesting, teachers can also use macromedia flash programs. Not only can writing be conveyed to students, but it can also display sound or video related to the material. For example, in learning materials about Faith in the Last Day, through this program students not only gain knowledge of the material, but also can be shown illustrations about the end of sughra and kubra. The second is Audio-Based Information Technology where the use of information technology related to student hearing, the use of streaming audio, which can improve the ability of students with a hearing base. The third is Visual-Audio-Based Information Technology Use CAI (Computer Assisted Instruction), compact disk (CD) multimedia interactive learning. By using films, students will gain knowledge from an audio and visual base. Through the mailing list teachers can create their own groups or groups, it can be one class or one school to communicate. Here PAI teachers inform the learning material that will be delivered at future meetings via mailing list. While all members of the group will know it at the same time. At that time, students can download the material from home or wherever there is an internet network. In addition, through the mailing list teachers can open discussion rooms with students. So far, students have limited opportunities to ask questions in the classroom, through this program teachers can help problems faced by students whenever and wherever they are. And also Web blogs and e-learning Using web blogs for learning inside or outside the classroom. When called a web blog, many teachers wonder it must be expensive. Indeed, for commercial websites, users (users) must pay according to the tariff, but for web blogs, users do not have to pay alias free. Compared to ICT facilities, web blogs are more perfect. Among the advantages is that the teacher can display all the works or thoughts he has. Weblogs can be described like a teacher's personal newspaper. What the newspaper wants to fill depends on the teacher. In relation to learning, teachers can upload all PAI learning materials to the website. Through this media, students can learn without being limited by the classroom. Not only learning materials, but also practice questions, exam/test results or other materials related to PAI material. Especially for exam results, so far students or parents only know their own exam results, while their friends' exam results do not necessarily know (Ulandari, Amry, and Saragih 2019). Through weblogs, learners can see the overall exam results. So that if there is an error, students or parents can confirm to the subject teacher.

The role of Information and Communication Technology to improve student achievement in Islamic Education, Technology is very important, optimal use can be done to improve education, especially Islamic education. One of the things that need to be considered when using technology is how to fit into the environment, reviewing current conditions and situations, because what is done

can have an impact on the practice of Islamic education. Here is some evidence that technology can improve education in improving student achievement. Supporting teachers in creating a more effective learning environment for teaching and learning activities in improving student achievement: first Improve the ability to think at a higher level and train children to create ideas with the help of technology. The second Improving abilities especially in terms of skills. Improve understanding of how technology can be used in various fields so that it can be useful in the future. The latter Help teachers understand how technology can be used in different fields so that it can be useful in the future.

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The development of information and communication technology (ICT) in Islamic education, Everyone agrees that education is one field that continues to develop and change with the times. The development of technology is one of the important factors that influence changes in the world of education, and this development greatly helps improve the quality of education in order to achieve learning goals to increase student achievement. One form of educational technology development is the manufacture and utilization of technology to improve the learning process. Educational technology can be used to make learning content more interactive, make teaching more efficient, and make it easier for students to get information and learning resources. So, educational technology can help improve the quality of learning significantly. It can be used to make learning content more interactive, help the teaching process become more efficient, and make it easier to get information and learning resources. However, the development of educational technology also requires considerable investment and needs accuracy.

The use of information and communication technology in learning Islamic Religious Education can produce excellent benefits, especially for students, such as providing motivation to learn independently, improving individual abilities, providing ease in obtaining information, and providing opportunities to explore concepts more deeply. When students get wider and more in-depth information, students will master the material, if students master the material well, when the students' proposals will be easier to fill in the answers to the maximum and also produce maximum grades.

Conclusion

The integration of Information and Communication Technology (ICT) in Islamic Religious Education offers great opportunities to improve student achievement. By leveraging a variety of technologies, such as interactive learning software, online resources, and collaborative platforms, we

can create dynamic and engaging learning environments. Through ICT integration, students can be actively involved in the learning process, allowing them to explore Islamic religious concepts in a more interactive and creative way. Easy access to information resources also helped improve their understanding of religious teachings. In addition, ICT-based learning can be tailored to individual learning styles, providing additional support for students who need it. This creates an inclusive environment where every student has equal opportunities to achieve learning success. Therefore, through the integration of ICT, Islamic Religious Education can enrich students' learning experience, provide innovative approaches, and prepare them to face the challenges of an increasingly globally connected world. With a continuous commitment to technological development in the context of religious education, we can ensure that the younger generation is skilled, knowledgeable, and full of Islamic values for a better future. The rapid development of information and communication technology at this time is inevitable its impact in the realm of education by combining information and communication technology in Islamic education, will become more flexible and students and students will have access to various sources of information. After that, he can help in mastering various sciences in the upcoming era of education that is more challenging. The development of educational technology has a significant positive impact in improving the quality of student learning to achieve the goals of outstanding students. Educational technology can be used to develop more interactive learning content, help the teaching process be more effective, and provide ease of access to information and learning resources so that students can access easily and can learn more widely. So that information and communication technology (ICT) which has a huge impact on education, especially Islamic education, can produce outstanding students because it makes it easier for students to learn and access knowledge, opportunities to explore concepts more deeply. When students get wider and more in-depth information, students will master the material, if students master the material well, when the students' proposals will be easier to fill in the answers to the maximum and also produce maximum grades.

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